

The Trail Inventory of San Juan Islands NWR

San Juan County, WA



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Federal Highway Administration
Central Federal Lands Highway Division
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San Juan Islands NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Good		Total
	Miles	%	Miles	%	Miles
Native	1.24	53%	1.11	47%	2.35
Boardwalk	0.03	100%	0.00	0%	0.03
Total	1.27	53%	1.11	47%	2.38

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Good		Total
	Miles	%	Miles	%	Miles
TC2	1.00	47%	1.11	53%	2.11
TC3	0.27	100%	0.00	0%	0.27
Total	1.27	53%	1.11	47%	2.38

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

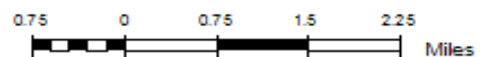
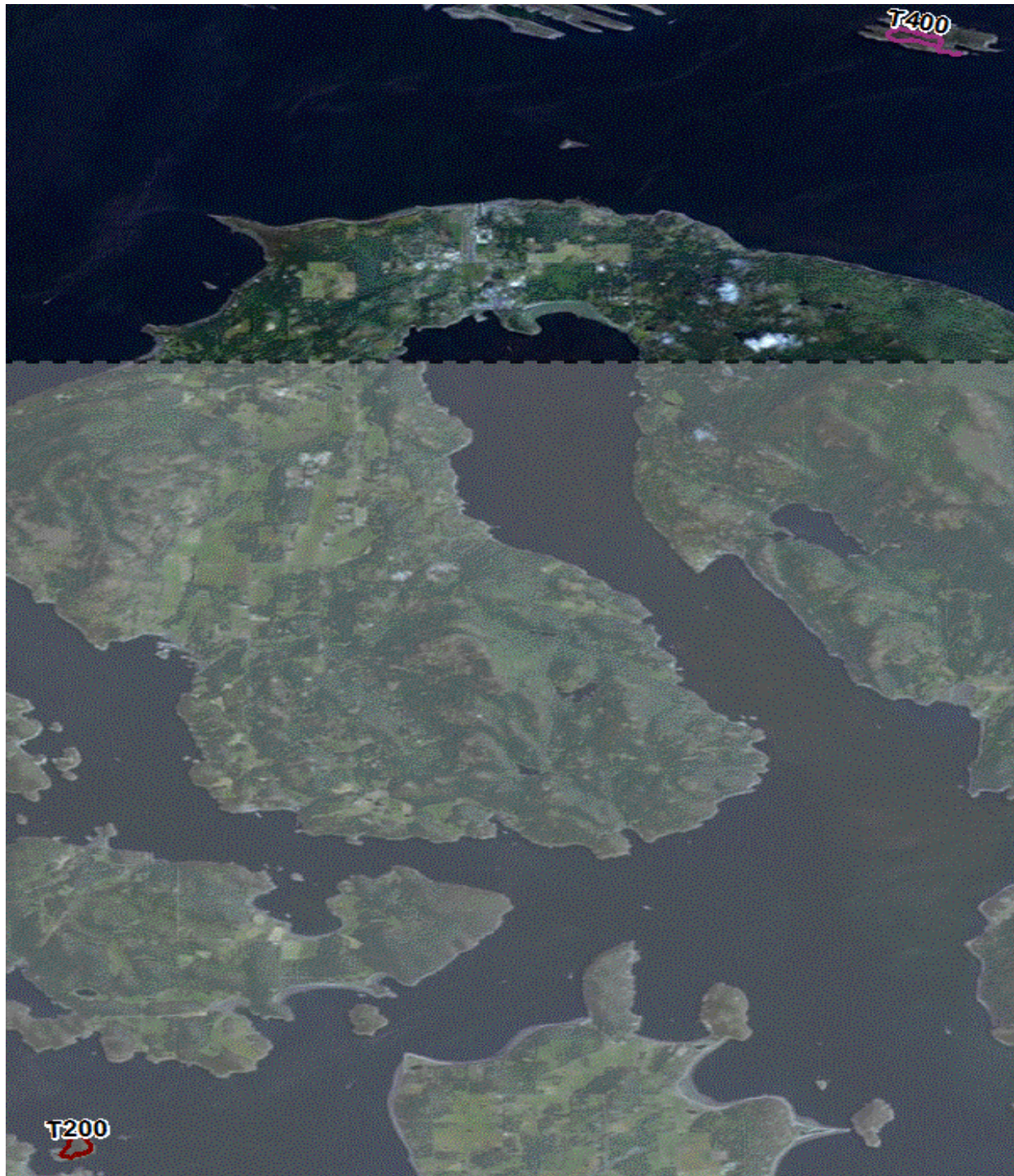
Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Trailhead	1	No	0.00	SAJU_C2_099 1
T400	Trailhead	1	No	0.00	SAJU_C2_000 1
T400	Sign	1	No	0.01	SAJU_C2_000 2
T400	Begin Section	1	No	0.03	SAJU_C2_000 4
T400	Sign	1	No	0.03	SAJU_C2_001 0
T400	Sign	2	No	0.03	SAJU_C2_000 3
T400	Sign	2	No	0.05	SAJU_C2_098 4
T400	Sign	1	No	0.47	SAJU_C2_000 6
T400	Sign	3	No	0.48	SAJU_C2_000 7
T400	Sign	1	No	0.48	SAJU_C2_000 5
T400	Sign	1	No	0.50	SAJU_C2_098 5
T400	Begin Section	1	No	0.54	SAJU_C2_098 9
T400	Bench	1	No	0.60	SAJU_C2_098 6
T400	Bench	1	No	0.81	SAJU_C2_098 6

sf - square feet

lf - linear feet

cf - cubic feet

San Juan Islands NWR Trail Location Map



Trails ID

Station Name: San Juan Islands NWR

Org Code: 13532

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Turn Island Trail	Native	10062902	0.97	From Docking Beach on the South West of Island to End of Loop
T400	Matia Island Trail	Boardwalk	10003523	0.03	From Bay on North End of Island to End of Loop
T400	Matia Island Trail	Native	10003523	1.38	From Bay on North End of Island to End of Loop

TRAIL CONDITION



Trail Name: Turn Island Trail

Refuge Name: San Juan Islands NWR

Trail Number: T200

Region: 1

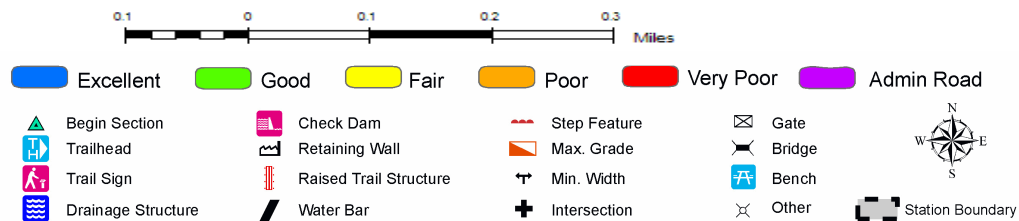
Total Length: 0.97 Miles

Section Number	001
Section Length (miles)	0.97
SAMMS Number	10062902
Rating Date	08/11/2011
Trail Section Information	
Trail Class	TC2
Surface Type	Native
Surface Firmness	Hard
Width (inches)	12
Average Grade (%)	6.3
Average X-slope (%)	3.20
Trail Condition Information	
Deferred Maintenance	\$51
CRV	\$25,962
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$51	\$25,962	0.00	Excellent

TRAIL CONDITION



Trail Name: Matia Island Trail
Trail Number: T400

Refuge Name: San Juan Islands NWR
Region: 1

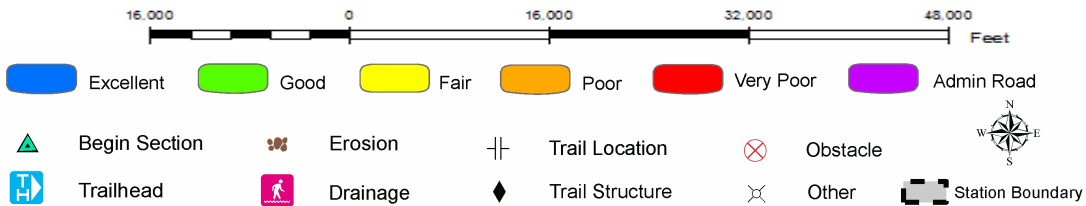
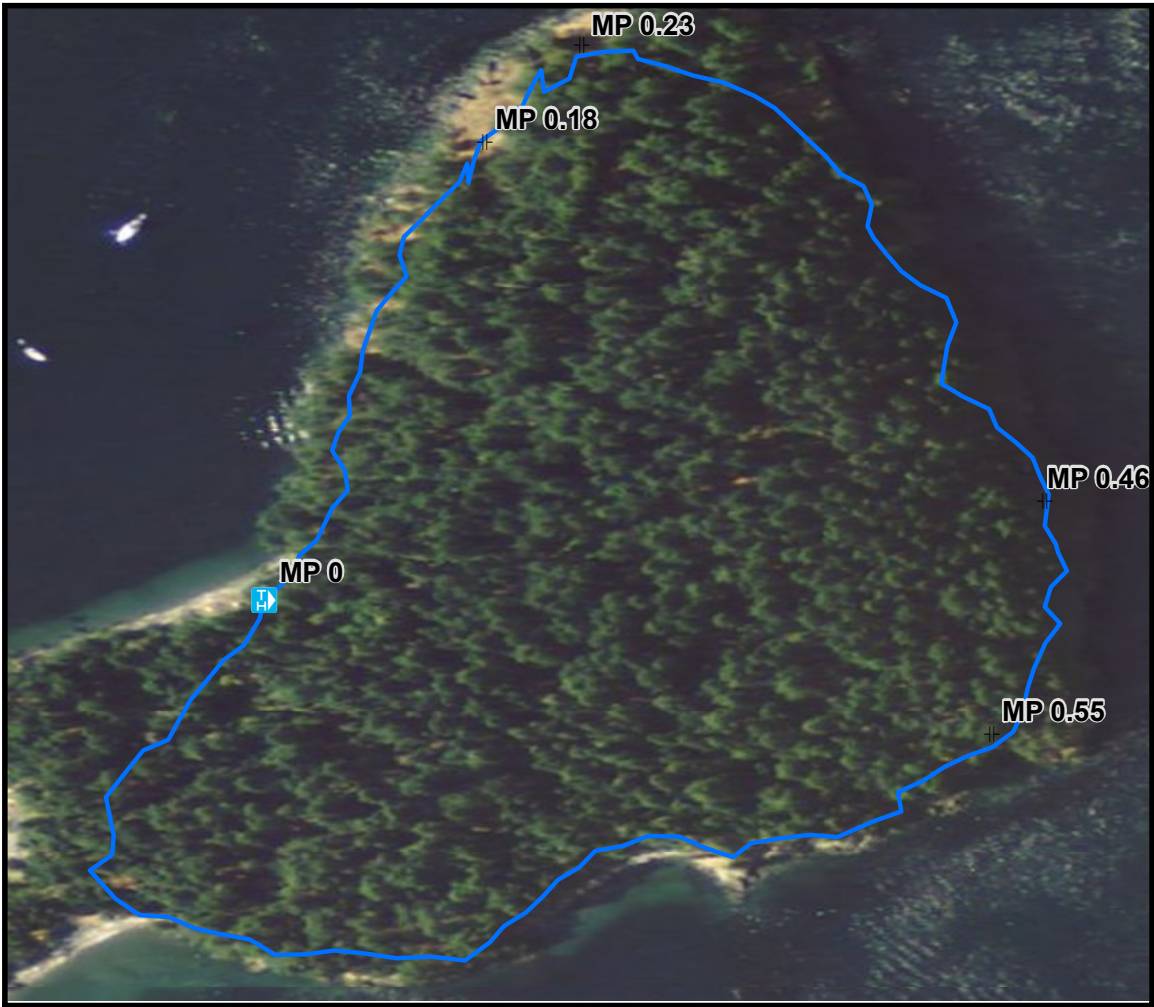
Total Length: 1.41 Miles

Section Number	001	002	003
Section Length (miles)	0.03	1.11	0.27
SAMMS Number	10003523	10003523	10003523
Rating Date	05/14/2007	05/14/2007	08/09/2011
Trail Section Information			
Trail Class	TC2	TC2	TC3
Surface Type	Boardwalk	Native	Native
Surface Firmness	Paved	Soft	Hard
Width (inches)	45	45	45
Average Grade (%)	5.3	5.3	5.3
Average X-slope (%)	2.10	2.10	2.10
Trail Condition Information			
Deferred Maintenance		\$3,722	\$0
CRV	\$16,278	\$111,402	\$27,098
FCI	0.00	0.03	0.00
Condition	Excellent	Good	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$3,722	\$154,778	0.02	Good

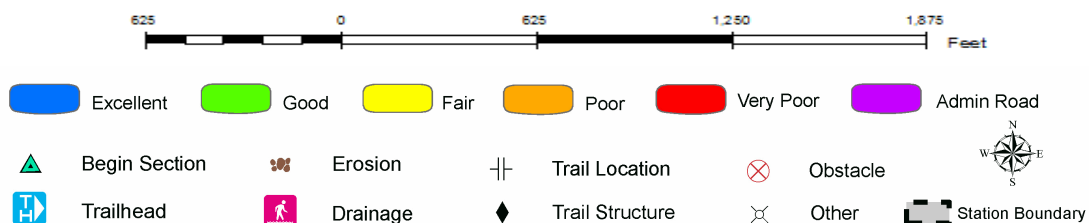
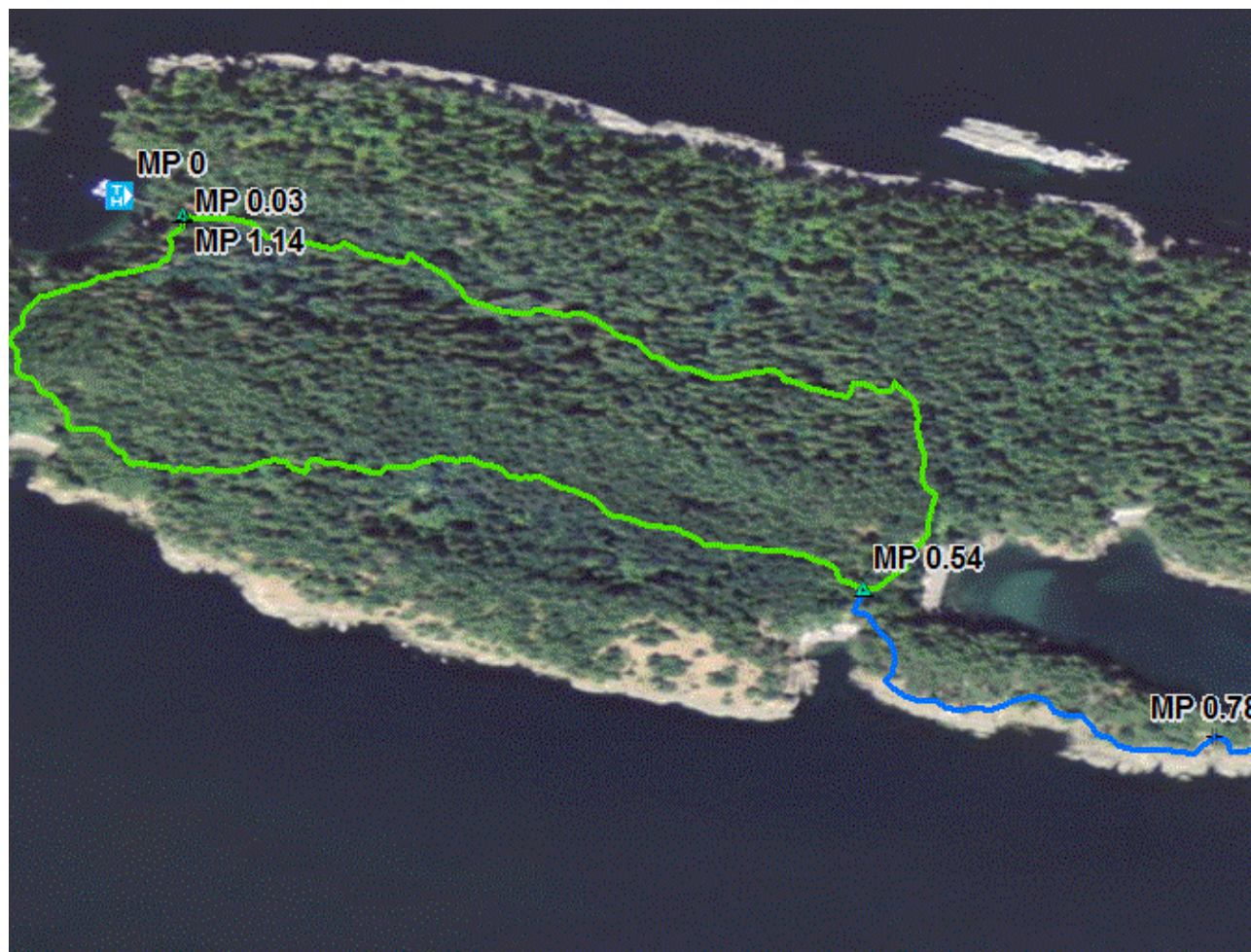
TRAIL DEFICIENCY



Trail Name: Turn Island Trail **Refuge Name:** San Juan Islands NWR
Trail Number: T200 **Region:** 1 **Total Length:** 0.97 Miles

Mile Post	0.18	0.23	0.46	0.55
Section Number	001	001	001	001
Photo Number	SAJU_C2_0992	SAJU_C2_0993	SAJU_C2_0993	SAJU_C2_0994
Deficiency	Trail Location	Trail Location	Trail Location	Trail Location
Action	Remove	Remove	Remove	Remove
Item	Trail: Social -lf	Trail: Social -lf	Tread -sf	Trail: Social -lf
Quantity	200	200	100	100
Deferred Maintenance			\$51	

TRAIL DEFICIENCY



Trail Name: Matia Island Trail

Refuge Name: San Juan Islands NWR

Trail Number: T400

Region: 1

Total Length: 1.41 Miles

Mile Post	0.78	0.81	1.14
Section Number	003	003	002
Photo Number	SAJU_C2_0988	SAJU_C2_0987	SAJU_C2_0990
Deficiency	Trail Location	Trail Location	Trail Location
Action	Remove	Remove	Replace
Item	Trail: Social -lf	Trail: Social -lf	Trail: New -lf
Quantity	60	100	300
Deferred Maintenance			\$3722

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: San Juan Islands NWR
DATE: 08/11/2011



Photo # SAJU_C2_0991 - MP 0.00 - Trailhead

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 05/30/2007



Photo # SAJU_C2_0001 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 05/30/2007



Photo # SAJU_C2_0002 - MP 0.01 - Sign

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 05/14/2007



Photo # SAJU_C2_0004 - MP 0.03 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 05/30/2007



Photo # SAJU_C2_0003 - MP 0.03 - Sign

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 05/30/2007



Photo # SAJU_C2_0010 - MP 0.03 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 08/09/2011



Photo # SAJU_C2_0984 - MP 0.05 - Sign

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 05/30/2007



Photo # SAJU_C2_0006 - MP 0.47 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 05/30/2007



Photo # SAJU_C2_0005 - MP 0.48 - Sign

TRAIL NUMBER: T400

STATION: San Juan Islands NWR

DATE: 05/30/2007



Photo # SAJU_C2_0007 - MP 0.48 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 08/09/2011



Photo # SAJU_C2_0985 - MP 0.50 - Sign

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 08/09/2011



Photo # SAJU_C2_0986 - MP 0.81 - Bench

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 08/09/2011



Photo # SAJU_C2_0989 - MP 0.54 - Begin Section

TRAIL NUMBER: T400
STATION: San Juan Islands NWR
DATE: 08/09/2011



Photo # SAJU_C2_0986 - MP 0.60 - Bench

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	SAMMS number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.